- 4. The process of claim 1 wherein the particle size of the ceramic fine particles is 10 µm or less.
- 5. The process of claim 1 wherein the ceramics short fibers and/or the whiskers are those of an oxide, a carbide, a nitride, an oxynitride or a boride.
- 6. The process of claim 1 wherein the ceramics short fibers and/or the whiskers are those of Al₂O₃, ZrO₂, SiC, SiN₄, BN or sialon.
- 7. The process of claim 1 wherein the ceramics short 10 fibers and/or the whiskers have an aspect ratio of 5 or
- 8. The process of claim 1 wherein component (D-1) is used in an amount of 5 to 60 volume % in the composite 15 carried out at 800° to 1300° C. sintered body.

- 9. The process of claim 1 wherein component (D-2) is used in an amount of 5 to 50 volume % in the composite sintered body.
- 10. The process of claim 1 wherein components (D-1) 5 and (D-2) are used together in a total amount of 10 to 60 volume % in the composite sintered body.
 - 11. The process of claim 1 wherein the gel after the drying and before the molding is either powdered and then heat-treated, or heat-treated and then powdered.
 - 12. The process of claim 11 wherein the heat treatment is carried out at a temperature lower than the sintering temperature and equal to or higher than 200°
 - 13. The process of claim 1 wherein the sintering is

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